

Provides performance comparable to products formulated to federal specification: A-A-50557, and Paint Specification: SSPC-Paint 23.



DTM ACRYLIC PRIMER/FINISH

B66W1

Revised: January 15, 2015

PRODUCT INFORMATION

1.21

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Recommended Systems				SURFACE PREPARATION		
		Dry Film Th	ickness / ct.	Surface must be clean, dry	and in sound condition. Remove all oil dust	
Steel:		<u>iniis</u>	(MICIONS)	grease, dirt, loose rust, an	d other foreign material to ensure adequate	
2 cts.	DTM Acrylic Primer/Finish	2.5-5.0	(63-125)	adhesion.	Ĵ,	
	-		. ,	Do not use hydrocarbo	on solvents for cleaning.	
Steel:				Refer to product Applica	tion Bulletin for detailed surface prepara-	
1 ct.	DTM Acrylic Primer/Finish	2.5-5.0	(63-125)	tion information.		
2 cts.	Pro Industrial DTM Acrylic	2.5-5.0	(63-125)	Minimum recommended	surface preparation:	
or	Metalatex Semi-Gloss	15-40	(38-100)	Aluminum:	SSPC-SP1	
or	Water Based Catalyzed Epoxy	2.5-3.0	(63-75)	Concrete & Masonry:	SSPC-SP1 SSPC-SP13/NACE 6 or ICRI No. 310.2R.	
or	SherCryl HPA	2.5-4.0	(63-100)		ČŠP 1-3	
	,		· /	Surfac	e Preparation Standards	
Alumir	num, Galvanized, and Masonry	:		Surface White Metal	BS7079:A1 SIS055900 SSPC NACE Sa 3 Sa 3 SP 5 1	
2 cts.	DTM Acrylic Primer/Finish	2.5-5.0	(63-125)	Near White Metal Commercial Blast	Sa 2.5 Sa 2.5 SP 10 2 Sa 2 Sa 2 SP 6 3	
				Brush-Off Blast	Sa 1 Sa 1 SP 7 4 C St 2 C St 2 SP 2 -	
Alumir	um, Galvanized, and Masonry			Pitted & R	usted D St 2 D St 2 SP 2 - C St 3 C St 3 SP 3 -	
1 Ct.	DIM Acrylic Primer/Finish	2.5-5.0	(63-125)	Power tool Cleaning Pitted & R	usted D St 3 D St 3 SP 3 -	
Z CIS.	Costing	2.5-5.0	(63-125)		Turruno	
or	Metalatex Semi-Gloss	1 5-4 0	(38-100)		TINTING	
or	Water Based Catalyzed Enoxy	2.5-3.0	(63-75)	Tint with BAC, CCF, or En	viroToner at 75% tint strength, 2 oz/gal maxi-	
or	SherCrvI HPA	2.5-5.0	(63-125)	mum. Better performance	will be achieved with EnviroToners. Product	
<u> </u>			()	mechanical shaker is requ	uired for complete mixing of color.	
Concre	ete and Masonry:			Tinting with BAC or CCE	can affect the flash/early rust resistance	
1 ct.	Heavy Duty Block Filler	10.0-18.0	(250-450)	of the coating.		
2 cts.	DTM Acrylic Primer/Finish	2.5-5.0	(63-125)			
Durada				APPLI	CATION CONDITIONS	
1 2 oto	DTM Acrylic Primor/Einish	2550	(63 125)	Temperature:	50°F (10°C) minimum, 120°F (44°C)	
1-2 015		2.5-5.0	(03-125)		maximum	
					(air, surface, and material)	
The ou	atoma listed above are represent	tive of the n	roduct'o upo	Pelative humidity:	At least 5°F (2.8°C) above dew point	
other s	stems listed above are representa	ative of the p	roduct's use,	Relative numbuly.	85% maximum	
othere	ystems may be appropriate.			Refer to product Application	n Bulletin for detailed application information.	
				ORDE	ERING INFORMATION	
				Packaging:	1 (3.78L) and 5 (18.9L) gallon containers	
				Weight per gallon:	11.46 ± 0.2 lb 1.4 Kg/L	
				SAF	ETY P RECAUTIONS	
				Refer to the MSDS sheet before	Dre use.	
				Published technical data and	instructions are subject to change without notice.	
				Contact your Sherwin-William instructions.	ns representative for additional technical data and	
DISCLAIMER					WARRANTY	
The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin- Williams representative to obtain the most recent Product Data Information and Application Bulletin.			t Data Sheet are lliams Company. act to change and alt your Sherwin- Information and	The Sherwin-Williams Compa ing defects in accord with appl Liability for products proven de tive product or the refund of th determined by Sherwin-Willia OF ANY KIND IS MADE BY S STATUTORY, BY OPERATIO CHANTABILITY AND FITNES	ny warrants our products to be free of manufactur- icable Sherwin-Williams quality control procedures. fective, if any, is limited to replacement of the defec- ne purchase price paid for the defective product as ms. NO OTHER WARRANTY OR GUARANTEE HERWIN-WILLIAMS, EXPRESSED OR IMPLIED, N OF LAW OR OTHERWISE, INCLUDING MER- S FOR A PARTICULAR PURPOSE.	



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APPLICATION BULLETIN

1.21

SURFACE PREPARATIONS

Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to ensure adequate adhesion.

Do not use hydrocarbon solvents for cleaning.

Iron and Steel: Minimum surface preparation is Hand Tool Cleaning per SSPC-SP2. Remove all oil and grease from the surface by Solvent Cleaning per SSPC-SP1. For better performance, use Commercial Blast Cleaning per SSPC-SP6. Self priming.

Aluminum: Remove all oil, grease, dirt, oxide and other foreign material by Solvent Cleaning per SSPC-SP1. Self priming.

Concrete Block: Surface should be thoroughly clean and dry. Air, material and surface temperatures must be at least 55°F (13°C) before filling. Use Heavy Duty Block Filler. The filler must be thoroughly dry before topcoating.

Galvanized Metal: Allow to weather a minimum of 6 months prior to coating. Solvent Clean per SSPC-SP1. When weathering is not possible or the surface has been treated with chromates or silicates, first Solvent Clean per SSPC-SP1 and apply a test area, allowing paint to dry one week before testing adhesion. If adhesion is poor, brush blasting is necessary to remove these treatments. Self priming. Rusty galvanizing requires a minimum of Hand Tool Cleaning per SSPC-SP2.

Masonry: All masonry must be free of dirt, oil, grease, loose paint, mortar, masonry dust, etc. Clean per SSPC-SP13/Nace 6/ ICRI No. 310.2R, CSP 1-3. Poured, troweled, or tilt-up concrete, plaster, mortar, etc. must be thoroughly cured at least 30 days at 75°F. Form release compounds and curing membranes must be removed by brush blasting. Self priming. Brick must be allowed to weather for one year prior to surface preparation and painting.

PVC, Fiberglass: Remove all oil, grease, dirt, and other foreign material by Solvent Cleaning per SSPC-SP1. Scuff sand to abrade surface. Test adhesion.

Previously Painted Surfaces: If in sound condition, clean the surface of all foreign material. If paint is peeling or badly weathered, clean surface to sound substrate and treat as a new surface.

Surface Preparation Standards					
	Condition of Surface	ISO 8501-1 BS7079:A1	Swedish Std. SIS055900	SSPC	NACE
White Metal Near White Metal Commercial Blast Brush-Off Blast		Sa 3 Sa 2.5 Sa 2 Sa 1	Sa 3 Sa 2.5 Sa 2 Sa 1	SP 5 SP 10 SP 6 SP 7	1 2 3 4
Hand Tool Cleaning	Rusted Pitted & Rusted	C St 2 D St 2	C St 2 D St 2	SP 2 SP 2	-
Power Tool Cleaning	Rusted Pitted & Rusted	C St 3 D St 3	C St 3 D St 3	SP 3 SP 3	-

APPLICATION CONDITIONS

Temperature:

Relative humidity:

50°F (10°C) minimum, 120°F (44°C) maximum (air, surface, and material) At least 5°F (2.8°C) above dew point 85% maximum

APPLICATION EQUIPMENT

The following is a guide. Changes in pressures and tip sizes may be needed for proper spray characteristics. Always purge spray equipment before use with listed reducer. Any reduction must be compliant with existing VOC regulations and compatible with the existing environmental and application conditions.

Reducer/Clean Up:Water

Airless Spray

Pressure	2000 psi
Hose	1/4" ID
Тір	015"019"
Filter	60 mesh
Reduction	.as needed up to 12-1/2% by volume

Conventional Spray

Gun	Binks 95
Fluid Nozzle	66
Air Nozzle	63PB
Atomization Pressure	e60 psi
Fluid Pressure	25 psi
Reduction	as needed up to 12-1/2% by volume

Brush

Brush.....Nylon/Polyester Reduction.....not recommended

Roller

Cover	3/8" woven / solvent resistant core
Reduction	not recommended

If specific application equipment is not listed above, equivalent equipment may be substituted.



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Application Procedures	PERFORMANCE TIPS
Surface preparation must be completed as indicated. Mixing Instructions: Mix paint thoroughly to a uniform consistency with low speed power agitation prior to use.	Stripe coat all crevices, welds, and sharp edges to protect against early failure in these areas. For best results on rusty surfaces, always apply first coat by brush. No painting should be done im- mediately after a rain or during foggy weather.
Apply paint at the recommended film thickness and spreading rate as indicated below:	When using spray application, use a 50% overlap with each pass of the gun to avoid holidays, bare areas, and pinholes. If necessary, cross spray at a right angle
Recommended Spreading Rate per coat:MinimumMaximumWet mils (microns)5.0 (125)10.0 (250)Dry mils (microns)2.5 (64)5.0 (125)~Coverage sq ft/gal (m²/L)150 (3.7)295 (7.2)Theoretical coverage sq ft/gal (m²/L) @ 1 mil / 25 microns dft736 (18.1)NOTE: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.Drying Schedule @ 6.0 mils wet (150 microns):@ 55°F/13°C@ 77°F/25°CTo touch:1 hour40 minutes20 minutesTo handle:6 hours4 hours2 hoursTo cure:45 days30 days14 daysDrying time is temperature, humidity, and film thickness dependent.	 During the early stages of drying, the coating is sensitive to rain, dew, high humidity, and moisture condensation. Plan painting schedules to avoid these influences during the first 16-24 hours of curing. Spreading rates are calculated on volume solids and do not include an application loss factor due to surface profile, roughness or porosity of the surface, skill and technique of the applicator, method of application, various surface irregularities, material lost during mixing, spillage, overthinning, climatic conditions, and excessive film build. Excessive reduction of material can affect film build, appearance, and adhesion. DTM Acrylic Primer/Finish is extremely sensitive to hydrocarbon containing solvents. When cleaning the surface per SSPC-SP1, use only an emulsifying industrial detergent, followed by a water rinse. Do not use hydrocarbon containing solvents. Do not use oil or alkyd topcoats over DTM Acrylic Primer/Finish. Do not use hydrocarbon solvents for cleaning.
CLEAN UP INSTRUCTIONS Clean spills and spatters immediately with soap and warm water. Clean hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with Mineral Spirits to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using Mineral Spirits. DiscLaimer The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-	Refer to Product Information sheet for additional performance characteristics and properties. SAFETY PRECAUTIONS Refer to the MSDS sheet before use. Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions. WARRANTY The Sherwin-Williams Company warrants our products to be free of manufacturing defects in accord with applicable Sherwin-Williams quality control procedures. Liability for products proven defective, if any, is limited to replacement of the defective product as determined by Sherwin-Williams. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY SHERWIN-WILLIAMS, EXPRESED OR IMPLIED, OF TANY KIND IS MADE BY SHERWIN-WILLIAMS, EXPRESED OR IMPLIED, OF TANY KIND IS MADE BY SHERWIN-WILLIAMS, EXPRESED OR IMPLIED, OF TANY KIND IS MADE BY SHERWIN-WILLIAMS, EXPRESED OR IMPLIED, OF TANY KIND IS MADE BY SHERWIN-WILLIAMS, EXPRESED OR IMPLIED, OF TANY KIND IS MADE BY SHERWIN-WILLIAMS, EXPRESED OR IMPLIED, OF THERWISE, INCLUDING MERE